Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office											Atty. Docket No. P23684		Serial No. 10/646,711	OIPE		
	NFORM/		N DIS				ATE	MEN	ΙT	Applicant						
	(U	lse sev	veral s	sheet	s if ne	ecess	ary)				Filing Date Group August 25, 2003 2872			To det		
									U.S. PATE	NT I	OCUMENTS		L.,	40EV		
EXAMINER				.										FILING DATE		
INITIAL			DOC	Γ		IUM		I	DATE		NAME	CLASS	SUBCLASS	IF APPROPRIATE		
	2004	/0	0	4	2	0	9	5			MURA					
	2004	/0	0	4	2	0	9	3			MURA					
	2004	/0	0	6	2	5	3	6	04/01/04	NO	MURA					
	2004	/0	0	5	1	9	6	8	03/18/04 NO		MURA					
	2004	/0	0	5	1	9	7	0 03/18/04 NO		NO	MURA					
	2004	/0	0	6	2	5	3	7	04/01/04	NO	MURA					
	2004	/0	0	5	1	9	7	2	03/18/04 NO		MURA					
	2004	/0	0	4	2	0	9	1	03/04/04	NO	MURA					
	2004	/0	0	4	2	0	8	9	03/04/04	NO	MURA					
	2004	/0	0	5	1	9	7	1	03/18/04	NO	MURA					
	2004	/0	0	4	2	7	7	7	03/04/04	NO	MURA					
XVX	2004	/0	0	4	2	7	7	8	03/04/04	NO	MURA					
(404)	2004	/0	0	5	1	9	6	9	03/18/04	NO	MURA					
100	2004	/0	0	5	1	9	6	7	03/18/04	NO	MURA					
	2004	/0	0	4	2	7	7	5			MURA	-		<u> </u>		
	2004	/0	0	4	2	0	9	6			MURA					
	2004	/0	0	4	Н	0	9	0			MURA					
	2004	/0	0	4	2	7	7	6	03/04/04		MURA					
(XXI)	2004	/0	0	5	1	9	8	1			MURA					
	2004	/0	0	4	2	0	9	2								
	2007	6	3	6	6	3	-				MURA					
				_	\vdash		2	3	04/02/02		ONO					
		6	1		5	_	9	0		HIR						
		6	0	6	4	5	3	3			NIN et al.			-		
	2003	/0	0	8	1	3	2	5		NO	MURA et al.					
	2001	/0	0	2	4	5	7	3	09/27/01	NO	MURA et al.					
	2002	/0	1	3	5	9	0	0	09/26/02	NO	MURA et al.					
6 0 7 5 6 5 5 06/13/00 FUNAHASHI																
EXAMINER	2.		\supset		<u> </u>	*-					DATE CONSIDERED	-8/	17/200			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.																

P23684.P07														S	heet <u>2</u> of <u>3</u>		
Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office											Atty. Docket No. Serial No. 10/646,711						
IN	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)											Applicant Hiroshi NOMURA					
•	(U	Jse sev	eral s	heets	s if ne	cess	ary)			Filing Date Group August 25, 2003 2872							
									U.S. PATEN	NT D	OCUMENTS						
EXAMINER DOCUMENT NUMBER DATE									DATE		NAME	CLASS	SIIB	CLASS	FILING DATE IF APPROPRIATE		
A.A.	2002	t				NO.	MURA et al.	CLASS	305	CLASS	IF AFFROMATE						
	2002	/0	0	8	1	3	2	7	 		MURA et al.			_		_	
	2002	/0	1	3	5	8	9	6	 		MURA et al.		\models				
		6	0	5	5	ľ	1	6		-	MURA et al.					_	
		6	2	0	4	9	7	7			ASA						
		5	4	3	0	5	\vdash	6	 	-	IIE et al.					_	
	2003	/0	0	8		9	4	8	 		MURA et al.					_	
	2001	10	0	1	9	4	5	8	 		MURA et al.		 				
		4	9	9	3	8	1	5			MAZAKI et al.					_	
		5	8	1	8	6	4	7	 		HIO et al.					_	
		5	7	3	1	9	1	3	 		ANARI		<u> </u>			_	
142		5	7	3	9	9	6	2			AKURA et al.		<u> </u>			_	
	2003	/0	1	5	6	8	3	2			MURA et al.					_	
AGD)		5	5	8	7	7	5	4			TAYAMA et al.					_	
(12)		6	0	5	2	5	5 3 5 04/18/00		UN						_		
		5			h		TSUBOI					_					
		5	0	8	6	3	1	2	02/04/92	TA	NAKA et al.		<u> </u>			_	
Cala		5	4	9	9		4	3	03/12/96	SAF	CAMOTO et al.					_	
1		6	0	6	9	7	4	5	05/30/00	FUJ	il et al.					7	
19		6	3	2	4	0	1	9	11/27/01	TAI	CANASHI et al.					_	
(1/2)		5	4	8	5	3	1	5	01/16/96	NOI	MURA et al.		=			_	
																_	
																_	
																_	
																_	
R																	
														,			
EXAMINER	EXAMINER D. Gray DATE CONSIDERED 8/17/04																
•EXAMINER: Ini Include copy of thi	tial if cita is form w	ition co	nsider t comn	ed, wi nunic	hether ation (r or no to app	it cital ticant	tion is	in conformanc	:c wit	h MPEP 609; Draw line t	hrough citation	ı if not i	n conforma	nce and not considered.		

Form PTO-1449 U.S. Department o Patent and Trader										:	Atty. Docket No. P23684	Serial No. 10/646,711				
INFORMATION DISCLOSURE STATEMENT BY APPLICANT									IT	{	Applicant Hiroshi NOMURA					
(Use several sheets if necessary)											Filing Date August 25, 2003		Group 2872			
									U.S. PATE	NT D	OCUMENTS			•		
EXAMINER INITIAL		1	DOCUMENT NUMBER						DATE		NAME	CLASS	FILING DATE SUBCLASS IF APPROPRIATE			
FOREIGN PATENT DOCUMENTS																
DOCUMENT NUMBER							₹.		DATE		COUNTRY	CLASS	TRANSLA YES		LATION NO	
		58	- 1 0 7 0 8				8	01/21/83	JAP	'AN	Ų.					
		2	3 4 4 6 6 1				ι	06/14/00	UN	ITED KINGDOM				-		
		2	2 2 6 2 3 5 6 06/16/9		06/16/93	UN	ITED KINGDOM									
	2003	-	2	0	7	7	0	9	07/25/03	JAP	'AN					
		2	3	0	9	5	5	l	07/30/97	UN	ITED KINGDOM	_				
600		2	3	4	4	6	6	2	06/14/00	UN	ITED KINGDOM					
		2	2	6	1	2	9	8	05/12/93	UN	ITED KINGDOM					
90	2002	•	2	7	7	7	1	- ₉	09/25/02	JAP	AN					
	10	-	2	8	2	3	9	4	10/23/98	JAP	PAN -					
	58	-	1	6	2	9	1	4	09/27/83	JAP	AN					
		0	6	3	4	6	8	0	01/18/95	E.P.	.0.					
		10	Ŀ	3	2	7	4	0	02/03/98	JAP	AN			х		
	7	•	2	8	8	7	2	4	10/31/95	JAP	AN	_		Х		
										A		-				
				ОТІ	HER	DOC	CUM	ENT	S (Including	Aut	hor, Title, Date, Perti	inent Pages,	Etc.)			
		1	En	glis	h La	ngu	age .	Abst	tract of JP 5	58-1	0708.					
		2	En	glis	h La	ngu	age .	Absi	ract of JP 2	2003	-207709.					
195		3	En	English Language Abstract of JP 2002-277719.												
M		4	En	glis	h La	ngu	age .	Abst	ract of JP 1	10-2	82394.					
		5		English Language Abstract of JP 10-282394. English Language Abstract of JP 58-162914.												
EXAMINER	EXAMINER DATE CONSIDERED \$117/7004															
*EXAMINER: and not consider	Initial if red. Incl	citatio	on cor	nside f this	red, v	vheth	e or	not o	citation is in c	onfo to app	rmance with MPEP 60	9; Draw line	through citation	if not in conf	formance	

Form PTO-1449 Atty. Docket No. Serial No. U.S. Department of Commerce Patent and Trademark Office P23684 10/646,711 Applicant INFORMATION DISCLOSURE STATEMENT FEB 1 1 2004 Hiroshi NOMURA BY APPLICANT (Use several sheets if necessary) Group Filing Date August 25, 2003 2872 U.S. PATENT DOCUMENTS **EXAMINER FILING DATE** DOCUMENT NUMBER INITIAL DATE NAME **CLASS SUBCLASS** IF APPROPRIATE 2 0 5 0 06/25/85 5 5 OHASHI 4 5 5 3 5 02/17/87 WAKABAYASHI 2 9 7 01/26/88 WAKABAYASHI 9 2 8 2 12/20/88 AKIYAMA et al. 1 8 6 4 7 10/06/98 NISHIO et al. 3 9 9 8 02/29/00 **SHONO** 5 2 05/29/84 IKARI et al. 4 3 5 5 02/17/87 **OGAWA** 7 0 09/13/88 MATSUMOTO et al. 8 7 0 7 12/12/89 NAKAMURA et al. 8 3 2 08/04/92 6 3 TSUBOI et al. 0 6 5 06/09/98 HASE et al. 3 2 2 6 11/03/98 3 **TANAKA** 2 04/02/02 6 SHONO FOREIGN PATENT DOCUMENTS **TRANSLATION** DOCUMENT NUMBER DATE COUNTRY **CLASS SUBCLASS** YES NO 5 08/31/83 **JAPAN** 6 9 0 0 04/09/86 **JAPAN** 7 0 3 12/01/86 **JAPAN** 9 6 2 06/22/88 JAPAN 3 6 2 3 03/02/89 **JAPAN** Х 8 7 7 7 01/28/94 JAPAN Х

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

9

0 9

 $\langle \neg \rangle$

EXAMINER

2

4 9

3

au

2 0

07/28/95

04/23/99

JAPAN

JAPAN